

FIG.1

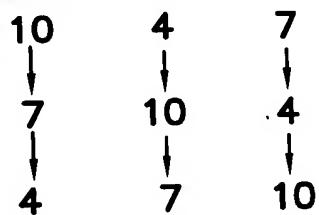
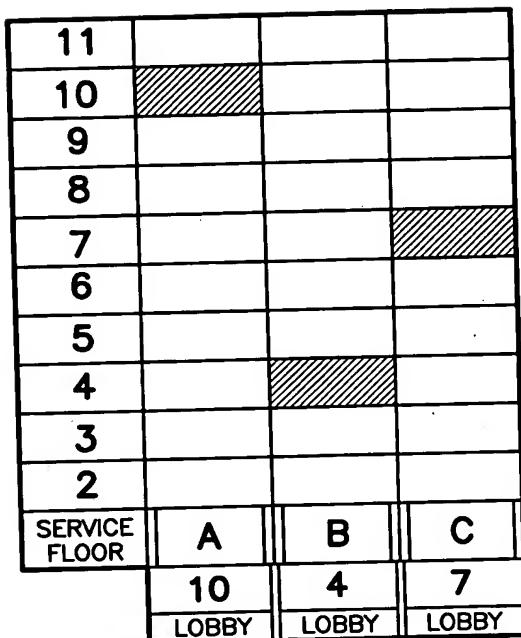


FIG.2

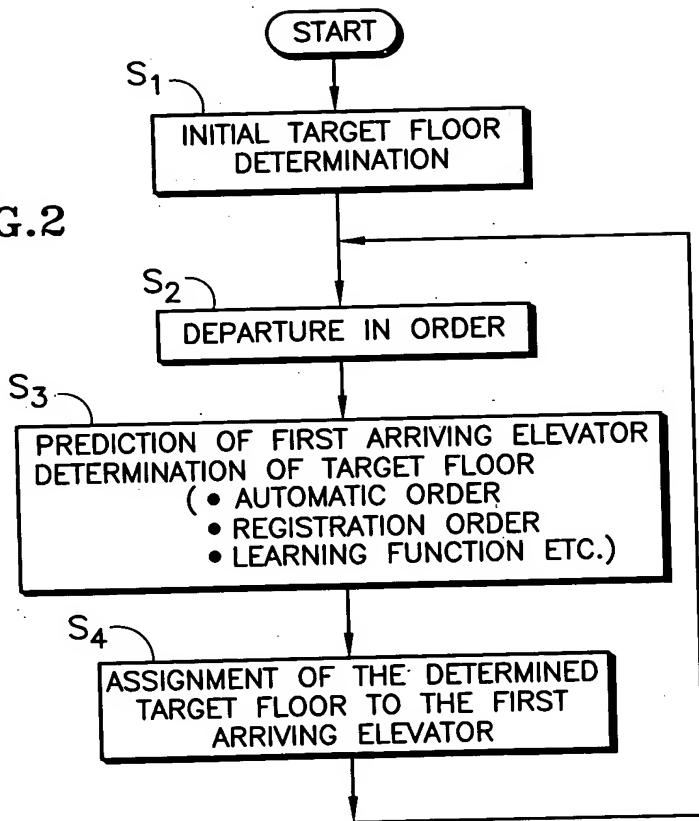


FIG.3a

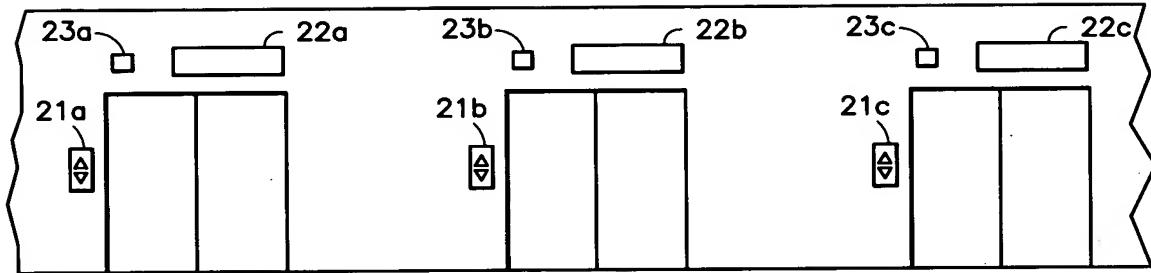
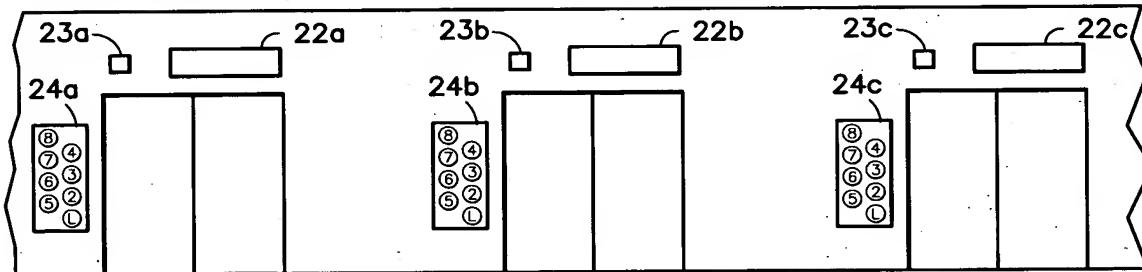


FIG.3b



**FIG.4 EVALUATION OF SHUTTLE ELEVATORS IN AN ULTRAHIGH BUILDING**

	OPERATION PATTERN IN PRIOR ART	SYSTEM OF THIS INVENTION			OPERATION PATTERN C
		OPERATION PATTERN A	OPERATION PATTERN B	OPERATION PATTERN C	
400m	SKY LOBBY (c)	SKY LOBBY (c)	SKY LOBBY (c)	SKY LOBBY (c)	M
300m	SKY LOBBY (b)	SKY LOBBY (b)	SKY LOBBY (b)	SKY LOBBY (b)	M
200m	SKY LOBBY (a)	SKY LOBBY (a)	SKY LOBBY (a)	SKY LOBBY (a)	M
100m					
0m	BUILDING LOBBY L	BUILDING LOBBY L	BUILDING LOBBY L	BUILDING LOBBY L	P
					P
ROUND TRIP TIME	204.06 SEC.	117.45 SEC.	142.45 SEC.	167.45 SEC.	
TRANSPORTING ABILITY (PER 5 MIN.)	64.68 PASSENGERS	112.38 PASSENGERS	92.66 PASSENGERS	78.82 PASSENGERS	
AVERAGE ROUND TRIP TIME	204.06 SEC.		142.45 SEC.		
AVERAGE TRANSPORTING ABILITY (PER 5 MIN.)	64.68 PASSENGERS		94.62 PASSENGERS		
KEY	[P] PIT [M] MECHANICAL CHAMBER	[L] LOBBY	[S] SERVICE FLOOR	[E] EXPRESS REGION	

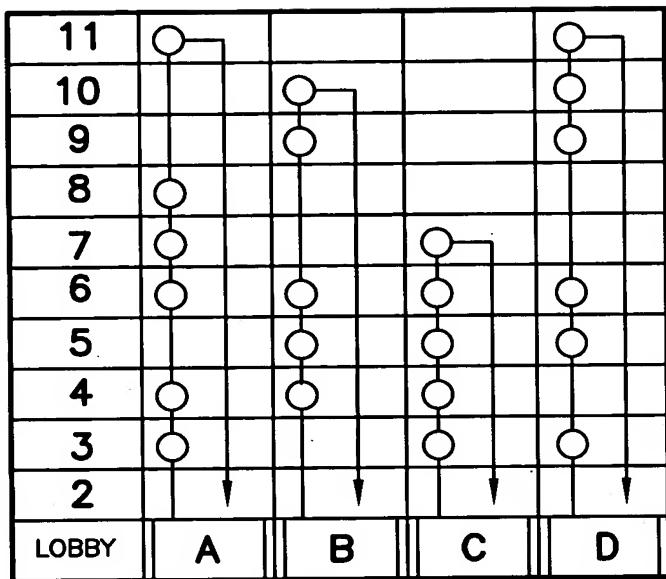
FIG. 5

EVALUATION OF SHUTTLE ELEVATORS IN AN RELATIVELY LOW BUILDING  
(MEETING HALL, MOVIE THEATER, STORE, ETC.)

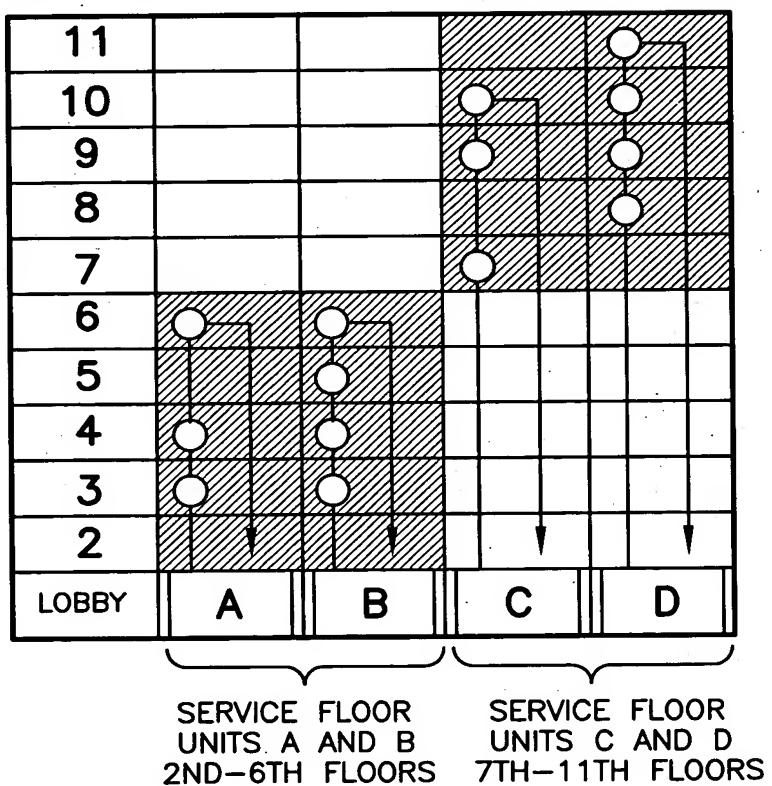
	OPERATION PATTERN IN PRIOR ART	SYSTEM OF THIS INVENTION			
		OPERATION PATTERN A	OPERATION PATTERN B	OPERATION PATTERN C	
	M	M	M	M	
30m	FLOOR (c)	FLOOR (c)	FLOOR (c)	FLOOR (c)	
20m	FLOOR (b)	FLOOR (b)	FLOOR (b)	FLOOR (b)	
10m	FLOOR (a)	FLOOR (g)	FLOOR (g)	FLOOR (g)	
0m	BUILDING LOBBY	L	BUILDING LOBBY	L	BUILDING LOBBY
	P	P	P	P	P
ROUND TRIP TIME	118.07 SEC.	67.78 SEC.	81.12 SEC.	94.45 SEC.	
TRANSPORTING ABILITY (PER 5 MIN.)	55.90 PASSENGERS	97.37 PASSENGERS	81.36 PASSENGERS	69.88 PASSENGERS	
AVERAGE ROUND TRIP TIME	118.07 SEC.		81.11 SEC.		
AVERAGE TRANSPORTING ABILITY (PER 5 MIN.)	55.90 PASSENGERS		82.87 PASSENGERS		
KEY	[P] PIT [M] MECHANICAL CHAMBER	[L] LOBBY	[S] SERVICE FLOOR	[E] EXPRESS REGION	

**FIG.6**  
**Prior Art**

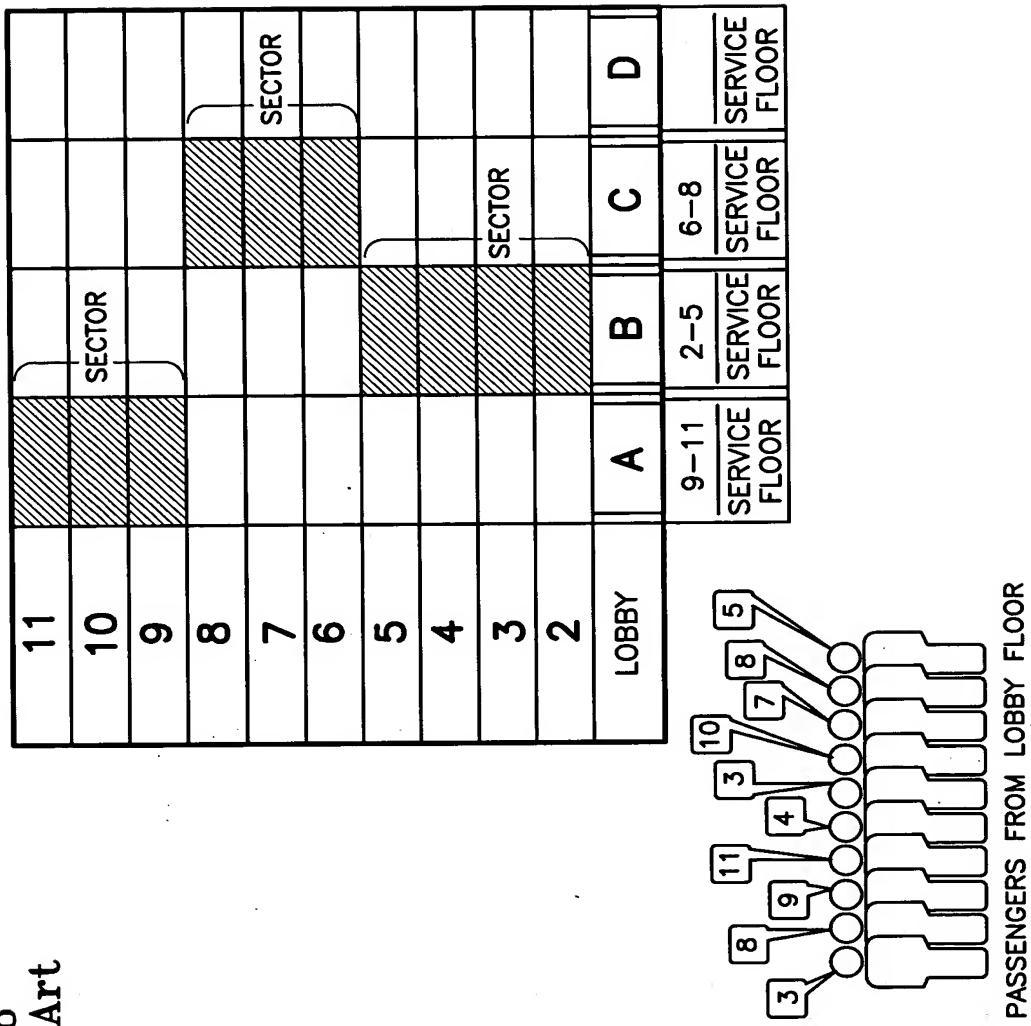
**5/11**



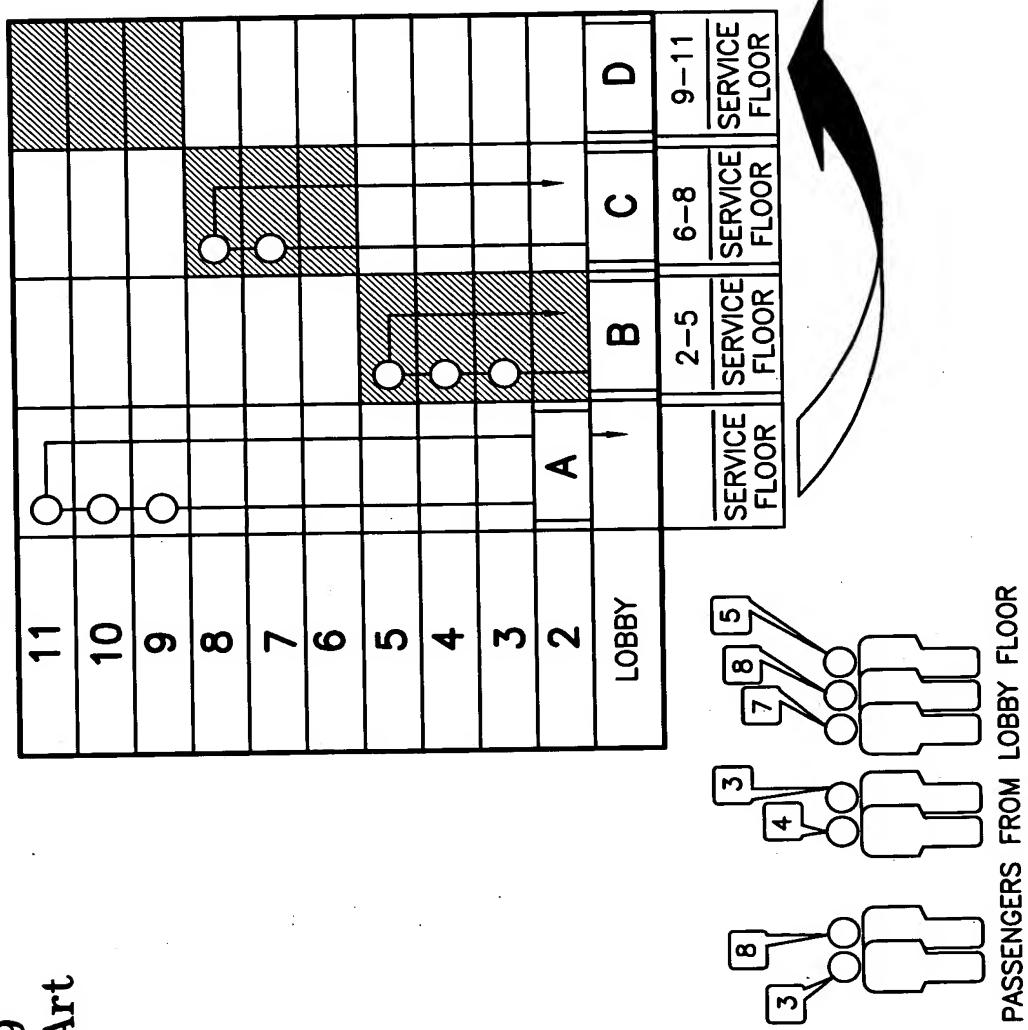
**FIG.7**  
**Prior Art**



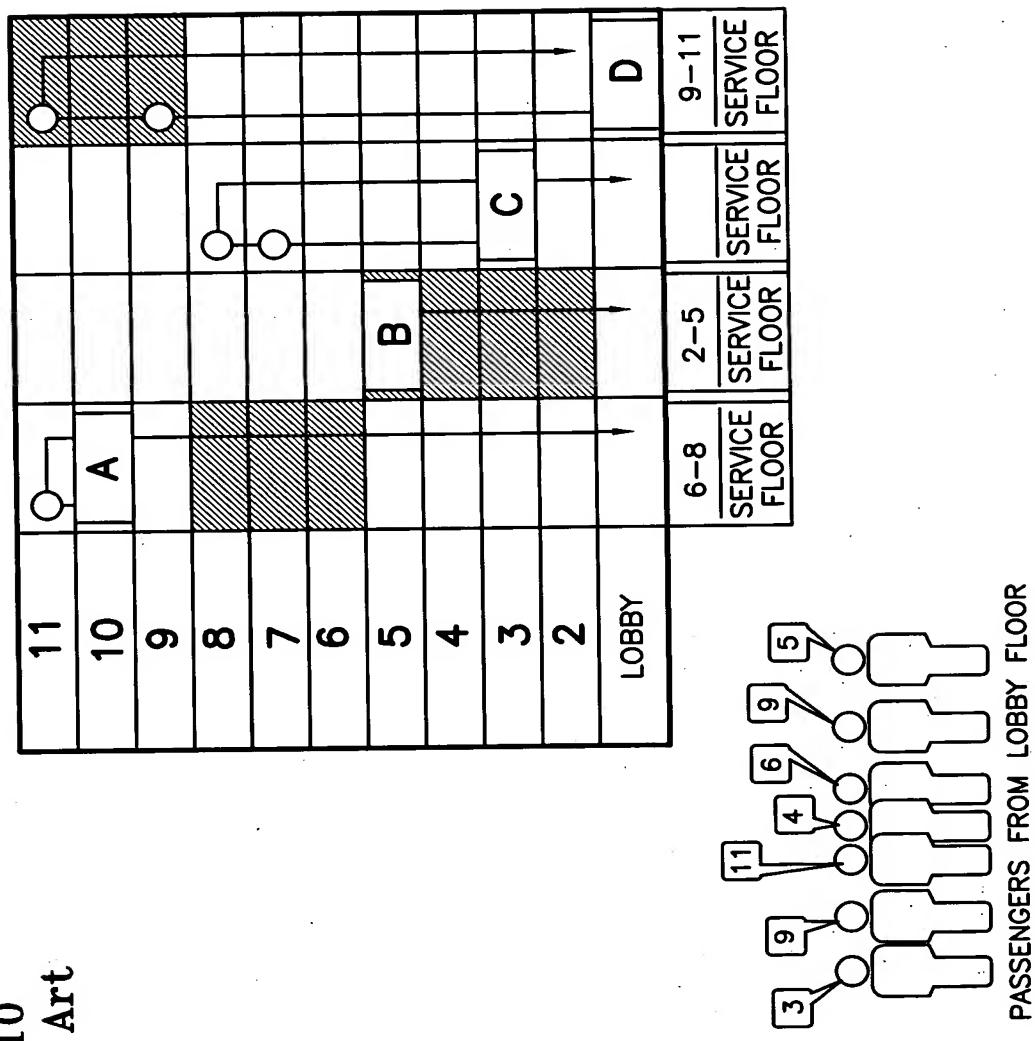
**FIG.8**  
**Prior Art**

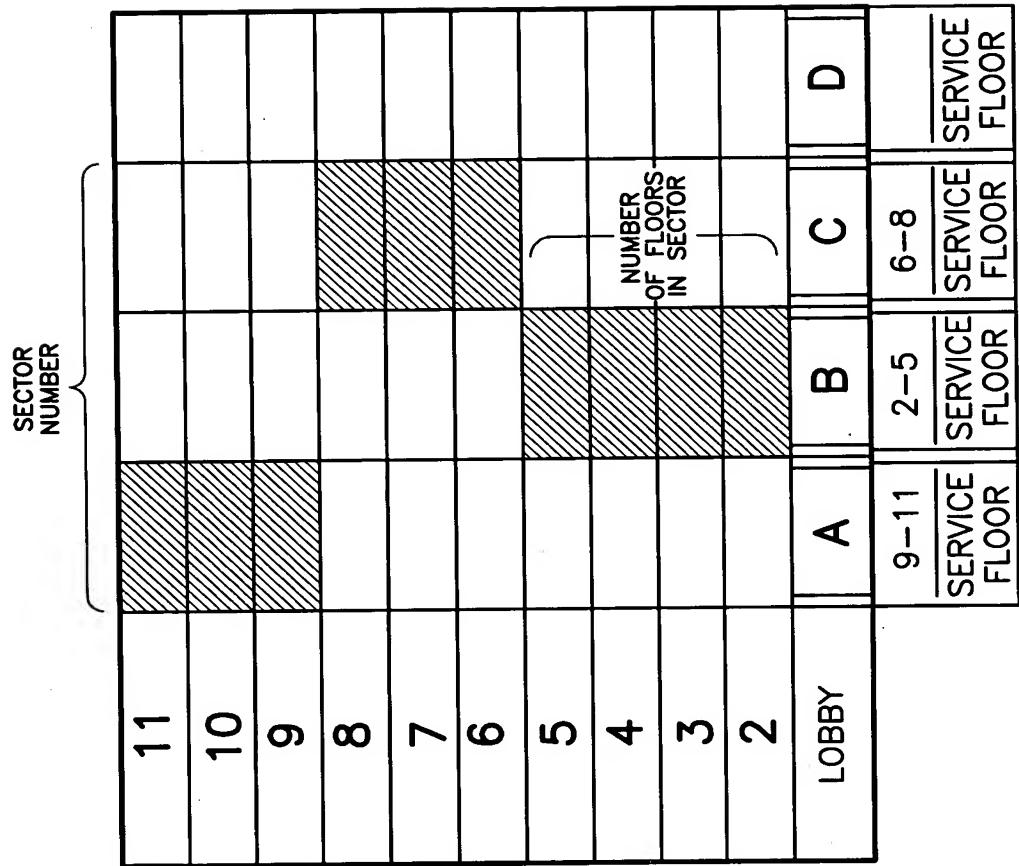


**FIG. 9**  
**Prior Art**



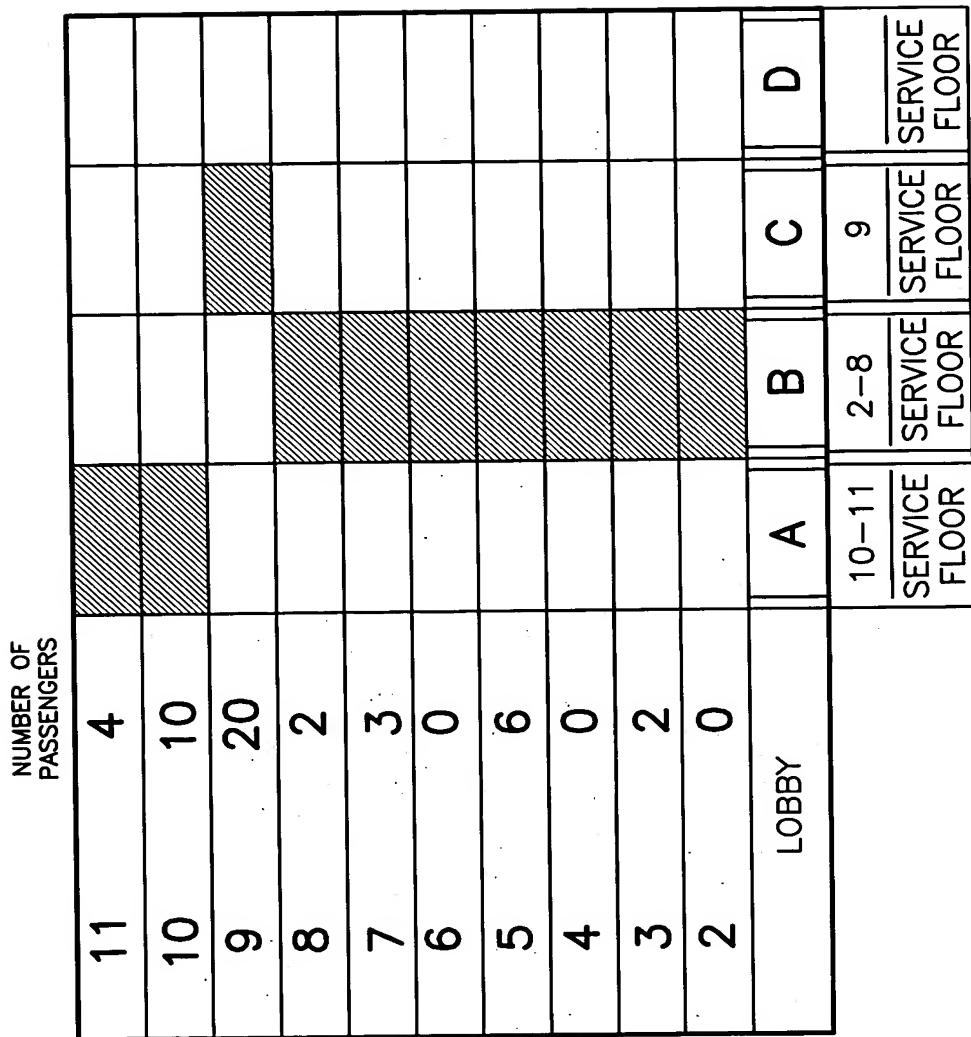
**FIG.10**  
**Prior Art**





**FIG. 11**  
Prior Art

FIG. 12  
Prior Art



**FIG.13**  
**Prior Art**

